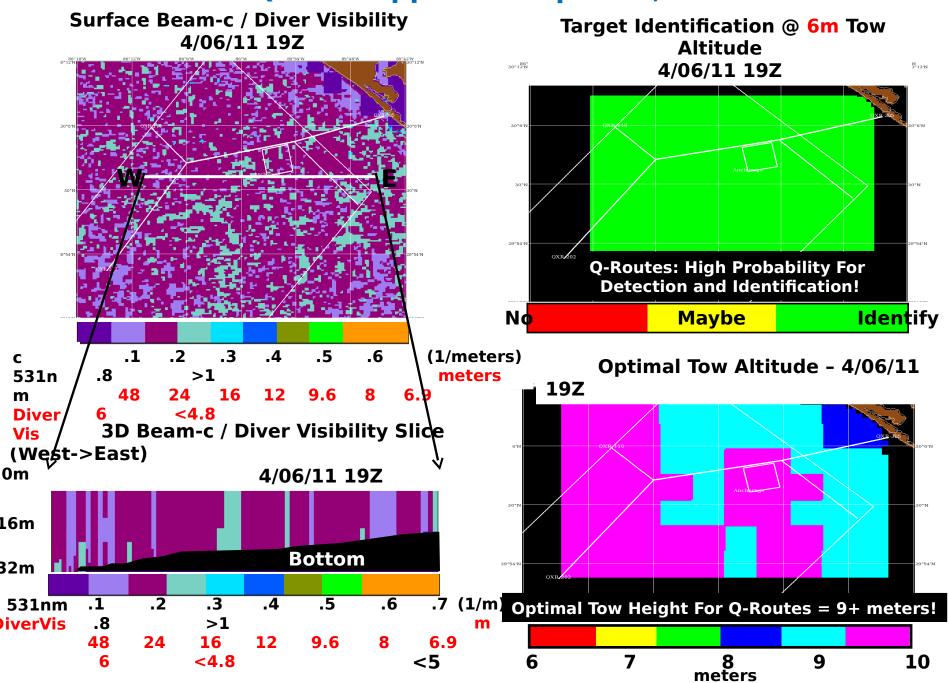
Current Glider Track and Location

04/07/2011 @ 1110 Local **Glider Position Forecast** Laguna Beach **Waypoints G1** Current Waypoint (CW) Panama Cit-Bea 4/07/11 ~1110 Local G2 G7 4/08/11 4/09/11 G2 Pick-UP 4/10/11 Corner Waypoint Deploy Spot Apr 7 14:10'Z G3 **G7 G4** Data SIO, NOAA, U.S. Navy, NGA, GEBCO 19.4 km © 2011 Google

30° 4.023' N 86° 7.181' W elev -31 m

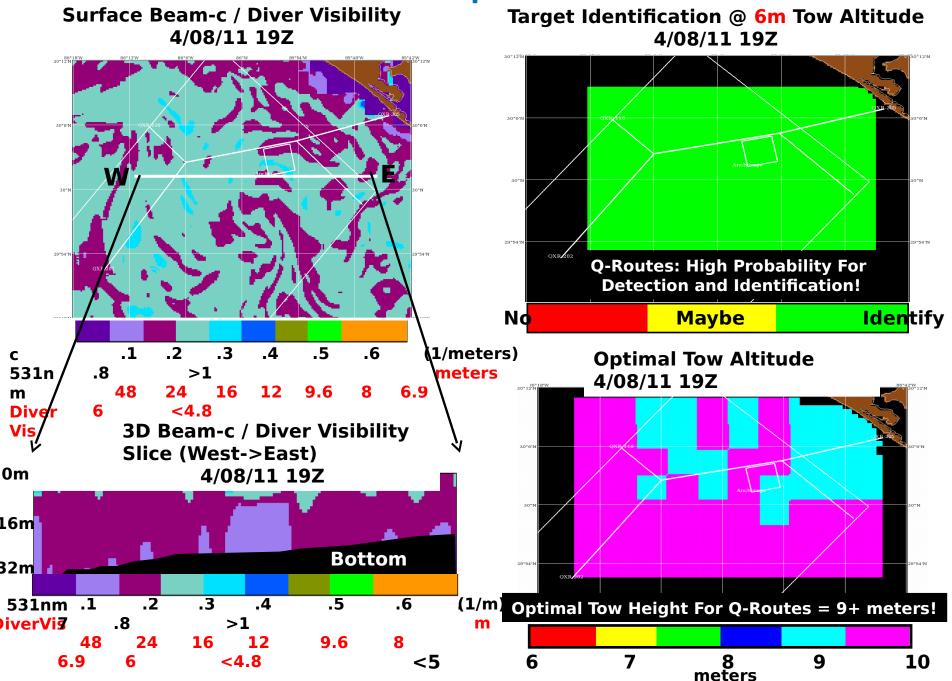
Imagery Date: Jan 9, 2007

Nowcast AQS-24 Support for April 06, 2011 19Z

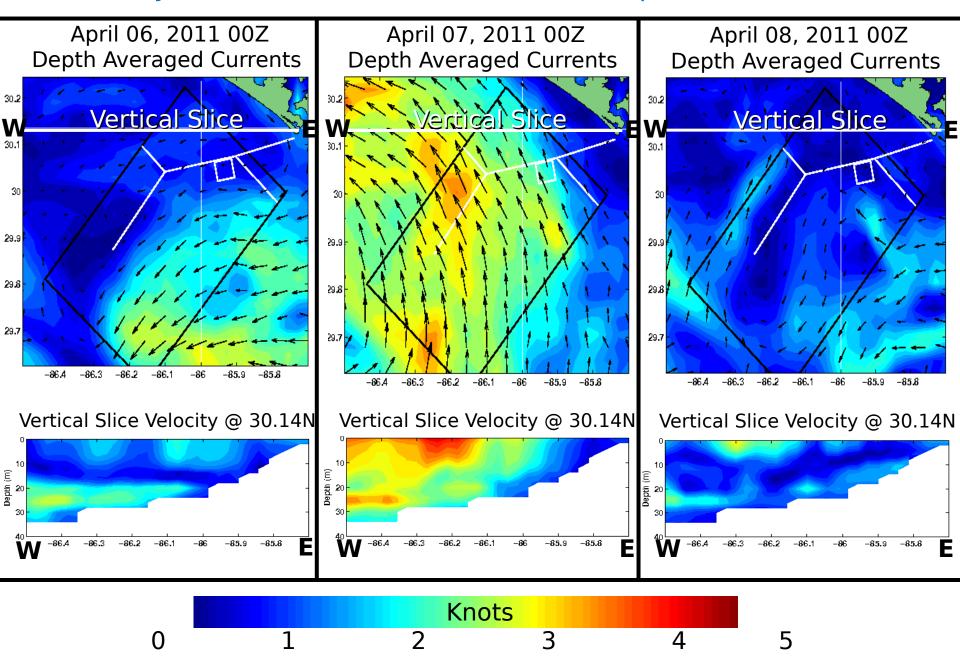


24 Hour Forecast AOS-24 Support for April 07, 2011 19Z **Target Identification @ 6m Tow Altitude Surface Beam-c / Diver Visibility** 4/07/11 19Z 4/07/11 19Z **Q-Routes: High Probability For Detection and Identification!** Nd Maybe **Iden**tify .2 .3 .5 .6 (1/meters) C **Optimal Tow Altitude** 531n .8 meters >1 4/07/11 19Z 48 m <4.8 Dive 3D Beam-c / Diver Visibility Vis Slice (West->East) 0m[₹] 4/07/11 19Z L6m **Bottom** 32m .2 .3 .5 531nm .1 .4 .6 **Optimal Tow Height For Q-Routes = 9+ meters! DiverVis** .8 >1 48 24 12 9.6 6.9 <4.8 <5 9 10 meters

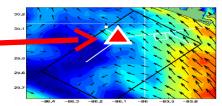
48 Hour Forecast AOS-24 Support for April 08, 2011 19Z

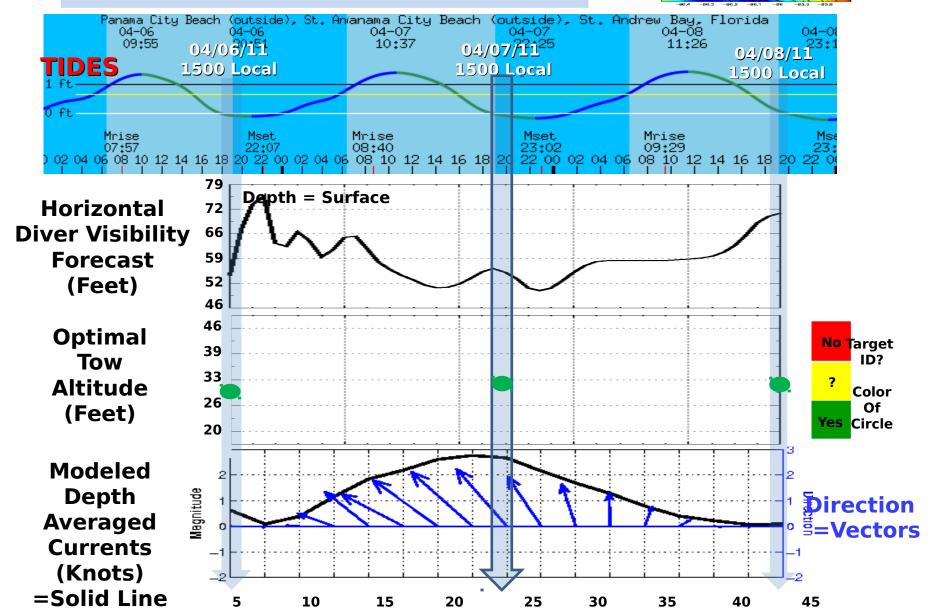


Physical Model Nowcast & Forecast - April 06, 2011



04/06/2011 TIME SERIES @ 30.05N, 86.1W FORECAST OVER NEXT 48 HOURS





Summary

- Surface and subsurface turbidity (beam-c) range from 0.1-0.5 m⁻¹ in op-area for today (04/06/11 19Z), tomorrow (04/07/11) and for 48 hour forecast (04/08/11 19Z). (See Slides 2,3,4)
- Surface and subsurface diver visibility (horizontal) range from 29-100+ feet in op-area for today (04/06/11 19Z), tomorrow (04/07/11 19Z) and for 48 hour forecast (04/08/11 19Z). (See Slides 2,3,4)
- 3. Sytem Performance: Today (04/06/11 19Z), tomorrow (04/07/11 19Z) and 48 Hour Forecast (04/08/11 19Z) expect ID and Detection over 100% in Q-Routes.
- 4. Today (04/06/11 19Z), tomorrow (04/07/11 19Z) and 48 hour forecast (04/08/11 19Z) predicted tow heights range from 29-36 feet in Q-Routes. (See Slides 2,3,4)
- 5. Time Series at Surface for Location 30.05N and 86.1W: Horizontal Diver Visibility ranges from 50 to 70 feet during period starting 04/06/11 19Z to 4/8/11 19Z. Optimal Tow Height is ~30 feet during same 48 hour period yielding high probability of target ID. Surface currents during the same 48

ote: Good satellite scenes collected on 3/25/11, 4/01/11, 4/03/11 & 4/6/:

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eedback Very Important!

Positive or Negative
How are products being used?
Changes/Needs/Suggestions